

## **ABSTRACT**

A medical electrode designed to prevent the passage of harmful electric current to a patient, thereby preventing tissue damage and electrocution. In the preferred embodiment, the inventive medical electrode is comprised of a proximal end, a distal end, a conductive lead connecting the proximal and distal ends, and a fuse located upon the medical electrode for preventing the passage of harmful electric current to a patient. For additional protection from induction current, the preferred location of the fuse is aft of the conductive lead element of the electrode. While a fuse is used in the preferred embodiment, the fuse could be replaced with a diode or a circuit breaker.